



Undergraduate Projects and Research

When you're sitting at the Ceilidh with your favorite brand of beer, have you ever wondered what happened to the waste products of brewing beer? The two major waste products are Brewers Spent Grain and Brewer's Yeast. The spent grains consists essentially of the barley which has had its carbohydrates removed and converted to the ethanol in your beer. Yeast is added in the brewing process to convert the sugars to ethanol. While it is doing this, it is also multiplying and increasing in weight so that is much more yeast left

over than added at the beginning.

Many of the large breweries have established a market for the spent grains as cattle and poultry feed. In view of the relatively high content of protein in spent grain, and the high cost of protein for human consumption, work is being directed towards the isolation of protein from the spent grain, and finding uses for the protein in human food. Another aspect of interest is the fiber which is left over after the protein has been extracted from the spent grain. Medical and public awareness of the role of fibre in the diet has increased in the past several years.

In addition to the development of methods for the isolation of proteins and fiber from the spent grain, work is being pursued towards the utilization of Brewers Yeast for human consumption. It has been observed that yeast may be autolysed to yield a product having a pleasant meaty flavour. In addition to the desirable flavour of the autolysed yeast, it is also highly nutritious from the point of view of essential amino acid content; this makes it a desirable material for incorporation into a number of food products.

Nancy Crowe
3rd year agr chem major



Un éléphant blanc à Macdonald

FAIT 1:

Aviez-vous remarqué que Macdonald a aussi un éléphant blanc; un "b0 gr0s bar". Malheureusement après une brève enquête il semble qu'il ne correspond pas tout à fait à nos besoins. Il est ouvert 3 soirs par semaine, dont 2.9 sur 3 envahi par des gens de l'extérieur (lire John Abbot) et ce dans une atmosphère plutôt froide.

D'accord ceci est bon pour la rentabilité, mais sans chercher à identifier le Jean Drapeau du campus, il serait bon de savoir quoi faire de cet endroit.

FAIT 2:

Aviez-vous aussi remarqué que si on exclu le C.C.Lounge (le gymnase du C.C.) et la bibliothèque, il n'existe pas d'endroit pour relaxer entre amis? Il serait agréable d'avoir un local où l'on pourrait s'asseoir, dans une atmosphère calme et détendue. Nos vies étudiantes en seraient probablement facilitées.

FAIT 3:

Le "Lunch Bar" qui a pour but de fournir une nourriture de bonne qualité et au meilleur prix possible a présentement un pied-à-terre au Ceilidh.

FAITS 1 2 3 CAFE ETUDIANT

Pourquoi ne pas combiner l'utile à l'agréable? Utiliser le Ceilidh au maximum (essayer de justifier son coût exorbitant) en fournissant un lieu de rencontre où l'on pourrait déguster quelques sandwichs tout en écoutant de la musique (Radio-Etudiante). Un café étudiant serait un bon départ pour la prise en main de notre milieu.

Plusieurs autres questions qui me semblent de première importance me viennent aussi à l'esprit.

1) Sur les \$80.00 à 100.00/année que nous versons en cotisations étudiantes, combien vont à McGill au

suite p.6

Un Traffic d'armes aux portes du collège

(d'après le Devoir:22/10/80)

D'après la télévision britannique, l'Afrique du Sud aurait fait exploser un engin nucléaire tactique l'année dernière. L'engin était contenu dans un obus de 155mm "de portée allongée" tiré à l'aide d'un canon géant conçu par un canadien le Dr. Gérald Bull de la soci-

été SPACE RESEARCH. Cette société est installée à Ste-Anne-de-Bellevue et se trouve à être voisine immédiate du collège (chemin Ste-Marie en face de la Seed Farm).

M. Bull, qui a travaillé à l'université McGill dans les années 60, purge actuellement une peine de 6 mois d'emprisonnement pour avoir exporté des armes sans permis.

A quand les essais nucléaires dans l'Arboretum????!!

Laurent Gauthier

EDITORIAL

C'est dure la mi-session! Des examens à passer, du retard à rattrapper, des travaux à commencer, on s'énerve, le temps avance trop vite nous propulsant dans un état fracassant. On devient tous des "grosses têtes" bien bourrées avec des yeux un peu vides et cernés. Lorsqu'on prend le temps un peu de décompresser on est là à se demander "ça sert à quoi tout cela".

Il est difficile d'évaluer notre formation sans aller voir en-dehors de nos murs scolaires la réalité du marché du travail pour la confronter à nos connaissances. On s'aperçoit alors vite que la compétence dans la "vraie vie" ne se mesure pas en terme de notes. Les notes ne sont que le reflet momentané de l'assimilation de théorie purement académique durant une période de temps déterminée. Les notes sont le reflet d'une réalité d'épreuve, de courbes statistiques, d'analyses théoriques. C'est la base où s'appuyer.

Mais l'université ne doit pas se limiter à cet aspect. Elle doit s'ouvrir au monde extérieur, car le "savoir" doit servir d'abord à l'amélioration de ce monde. Elle a des responsabilités envers la société qui la fait vivre.

Mais pour servir ce monde, on doit le connaître, comprendre ses besoins et voir ses lacunes. Cette vision doit être quotidiennement intégrée à notre formation.

Chaque cours devrait tenir compte de la réalité de l'agriculture aux niveaux provincial, national et international aussi bien en terme de production qu'en y décelant les problèmes, les solutions et les améliorations.

Il faut s'ouvrir sur le monde. Au collège Macdonald, le monde le plus immédiat est l'agriculture du Québec, malheureusement trop souvent ignorée. Pourtant la majorité des étudiants au collège travailleront ou du moins souhaitent acquérir une formation pour travailler dans le secteur agro-alimentaire québécois.

Il est évident que c'est à ce niveau que le collège a le plus à faire ses efforts pour répondre aux besoins de cette nouvelle clientèle de plus en plus nombreuse en ses murs.

La première chose à faire est de renflouer la documentation à la bibliothèque. On n'a qu'à faire un travail spécifiquement sur l'agriculture québécoise pour se rendre compte que la documentation y est pêle-mêle, passée date, les nombreuses études publiées par le ministère de l'agriculture du Québec absentes et les rapports des conférences socio-économiques du secteur agro-alimentaire ignorés.

On pourrait également demander à nos enseignants de se sensibiliser à notre agriculture et à nos problèmes. Maintenant que les étudiants québécois représentent une majorité, il serait même souhaitable d'avoir un cours spécifiquement sur l'agriculture québécoise et ses problèmes. Ce cours serait une excellente préparation à l'examen de l'Ordre des agronomes et à nos futures entrevues lorsqu'il sera temps d'affronter la réalité du monde du travail.

L'université ne doit point se limiter à un rôle purement académique (théorie générale) mais doit également revêtir un rôle social en s'adaptant aux besoins de sa clientèle afin qu'elle puisse être utile au secteur dans lequel elle travaillera, sa réputation en sera la première victime.

C'est à chacun de nous d'exiger que notre formation réponde à nos aspirations. Nous ne voulons pas trainer nos savates dans ces murs pendant trois ans pour s'apercevoir que l'agriculture "pour que ça dure" ça prend plus que des "A".

Hélène Perrault

in brief...

The editorial asks for a faculty with increased awareness of the outside world to which we owe our existence. It underlines more specifically the fact that, at Macdonald, the problems and preoccupations of Quebec agriculture are often ignored or incomplete, despite the fact that an always increasing majority of students hope and expect to work in this province.

It calls for a more complete library, as far as Quebec agriculture goes, and for a more comprehensive approach from academic staff and programs.

It concludes that the university must assume its social responsibility, and adapt to the student and population needs.

How does the HARVEST work?

Who is the editor? An editing board of five members replaces the editor. We have many other collaborators at all levels. Any student or non student is more than welcomed to help out.

We will try to publish every second week...

All articles are appreciated but especially those that are typed or very neatly written. They must be signed and please include your phone #.

The deadline is usually the Wednesday before publication week (check the mouthpiece). All material should be left at the c.c. desk.

French and english articles are equally accepted but are not normally published in both languages.

JOB JOB JOB
job job job
JOB JOB

WE HAVE A JOB FOR YOU!!

ON A UN JOB POUR TOI!!

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-PHOTOGRAPH, PHOTOGRAPHE
-ETC...

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Fringe benefits, lots of fun and even more!

Contact a member of the editing board or leave your phone at the c.c.

Contactez-nous on est pas méchants...

STAFFBOX

Comité de l'Harvest

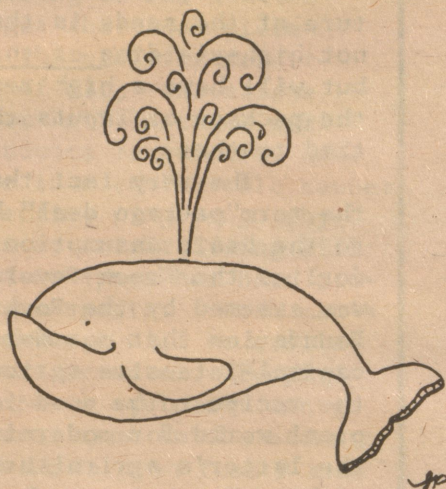
Hélène Perrault
Hubert Brochard
Johanne Hébert
Laurent Gauthier
Wilfrid Raby

Collaborateurs au moral et à la technique

Aubert Michaud
Danielle Dagenais
Dav Smith
Jean Vigneux
Sylvie Peltier

The HARVEST is located in the centennial center on Macdonald Campus
phone #: 457-5784

ANNOUNCEMENT



The Macdonald College Chapter of the Wildlife Society will be presenting Mr. Gerald Iles, former Director of the London Zoo (England), who will give a slide presentation on the "Whales of Saguenay Region". This event will take place on Wed. the 19th of November at 8:00 p.m. in room R2-045. Free Admission. So, all you enthusiastic whale lovers, come with lots of questions and that good old MAC spirit!

Bird's View On New Bird's Nest

The Macdonald's Raptor Centre is now proceeding with the construction of a new facility, to ease care and attention given to the approximately 400 birds it is actually keeping; while enhancing the interest of the centre to the visiting public, who will benefit of a classroom from where the birds will be in full view of the visitors and guides. Like its name indicates, the centre's main interest focusses on the most endangered species: the predator bird, especially the peregrine falcon and the eagle.

The importance of the survival of these birds will never be stressed enough, would it be

only for the ecological monitoring purpose they serve by being at the same food chain level than humans. The serious effect that intensive DDT use has had on the reproductive capacities of these birds represents a serious clue to the state of pesticide pollution in the ecosystem. By attacking the bird's nervous system and sex hormones, the hardness of the egg shells is reduced, and crushing occurs during incubation. Actual reproduction in captivity of the peregrine falcon faces great difficulties, and the few hatching reported led consequently to the death of the young bird by poisoning

Cont'd...p.4



Paul Nicol. Young artist with a big talent. How far will he go?

Nowhere

It's only a year since art school, but Paul is already being talked about as a name to watch.

It's heady stuff. With all the adulation, Paul is neglecting his work.

Parties and late hours provide easy distractions. So does too much drinking.

Paul is abusing his health, misusing beverage alcohol and hurting his future. Unless he changes, his talent could be harmed beyond repair.

Without it, he won't go anywhere.

Very far

It's only a year since art school, but Paul is already being talked about as a name to watch.

Paul's excited, but he has things in perspective.

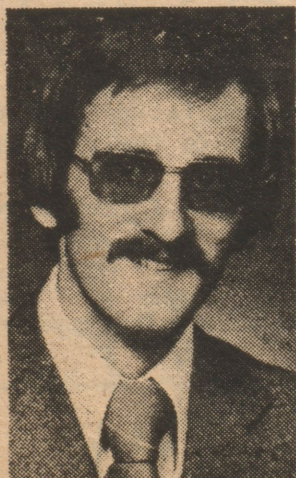
He enjoys a drink when the time is right, with friends and with moderation. But he knows nothing can take the place of hard work to build his reputation.

Gifts like Paul's are fragile and worth protecting. Because Paul understands, he'll go far.

Seagram

THE GREEN REVOLUTION

by Dav Smith



The Green Revolution is the acronym that was attached to a process of agricultural innovation which began with the "Rockefeller foundation" and its funding of research into the genetic improvement of new varieties of wheat. The aim of the american plant geneticists/pathologists under the orders of Nobel Peace Prize-winner Dr. Norman Borlang was (and remains) the development of High Yielding Varieties (HYV's) of wheat which will be adaptable to the agricultural and climatic conditions of the tropical world. The high yields from these varieties were meant to provide an answer to the present need to increase the agricultural productivity of the tro-

pical, so-called developping countries.

The Green Revolution has not lived up to its great initial promise and we must ask our self just how valid it is as an instrument of agricultural development. Why has it at least slowed the wave of hunger that sweeps much of the planet? To be successfull, the HYV's requiere some very specific, very expensive inputs. Chemical fertilizers, pesticides, and other fossil fuel-based products must be applied in considerable and precise doses to these seeds. They require a carrefully regulated water supply as well, which in other words means costly irrigation systems.

cont'd page 4

LE CAS DE BRUNO-GUY HEROUX.

Le 24 octobre dernier, le radio-journal de 18h:00 nous informait d'une manifestation sur le campus de l'université de Montréal. Motif? L'accusation de vol et recel portée par le recteur de l'u. de m. contre Bruno-Guy Héroux. Agissant comme secrétaire de l'association des résidents(es) du campus, ce dernier se voit menacer de dix ans de prison pour avoir appliqué un mandat de son assemblée générale, l'enjoignant de retenir les chèques de paiement du loyer des chambres, afin de protester contre les hausses totalisant 236 dollars qu'accusent les usagers depuis trois ans. Les chèques, d'une valeur totale de 70,000 dollars, furent déposés par Héroux dans un coffret de sûreté inscrit en son nom propre. Ce détail permis au recteur de porter son accusation.

La manifestation coïncidait avec l'ouverture de l'enquête préliminaire de Héroux, qui a conclu à un non-lieu, donc à la nécessité d'un procès.

La cour a néanmoins accordé le droit à la défense de procéder à un examen volontaire, ou cette dernière peut présenter à la barre les témoins de son choix, dans le but d'influencer le juge, et possiblement le convaincre de revenir sur sa décision.

En ce même jour d'examen volontaire, le 18 novembre prochain, l'association étudiante de l'u. de m. organisera une ligne de piquetage devant l'édifice de la cour municipale. Jusqu'à cette date, l'association entend procéder à du piquetage tactique sur le campus, en plus d'assister à toutes les conférences publiques et séminaires donnés par l'université pour y demander la parole et tenter d'informer la communauté étudiante.

L'envergure de l'événement se proportionne bien au précédent qu'il représente pour le mouvement étudiant au Québec. Il ravive également le débat sur la légalité ou la justification des moyens de pression. On l'a souvent constaté dans la société québécoise comme ailleurs: dans une confrontation, la responsabilité n'est plus de l'ordre des lois, mais de l'ordre des moyens des différents en présence. Si ce postulat est de moins en moins crédible pour un secteur privé ou



public, ou des efforts furent fait pour régler les conflits; pareille situation ne s'applique dans le cas de conflits étudiants, qui renvoient alors au quasi-criminel, à l'encadrement du code civil ou criminel.

Si procès il y a, le juge aura à rendre compte de deux aspects. D'abord, l'austérité budgétaire qui amène le gouvernement à plafonner les budgets des universités, réduisant d'autant les services à des étudiants pour lesquels l'accès aux prêts et bourses est de plus en plus difficile. L'esprit de la loi créant la régie du logement ensuite où il est reconnu à un locateur, le droit de retenir son loyer, en partie ou en totalité, afin d'exercer des pressions sur le propriétaire. La loi exige à cette fin, l'autorisation de la régie, mais le principe s'y trouve néanmoins admis. Advenant un retrait de l'accusation par l'université, un rôle d'arbitre pourrait être dévolu à cette régie.

Plus près de nous, l'événement nous rapporte à une prise en charge du milieu; mais l'autre question mérite également d'être posée: à quel point les étudiants sont-ils prêts à se compromettre pour leur éducation? La faible crédibilité des étudiants auprès des autorités universitaires témoigne du fait que cette question n'a jamais obtenue de réponse adéquate.

Enfin, Bruno-Guy Héroux peut être reconnu comme une tentative propre et personnelle d'y répondre. Certains rétorqueront qu'il n'en tenait qu'à lui d'éviter le plat où baignent ses pieds. Mais au fil des ans, il s'en est tenu à nous d'être demeurés statues, les deux mains dans la face.

Wilfrid Raby

THE GREEN REVOLUTION...(cont'd)

However, the most important feature of the seeds is that they are not high-yielding of themselves, but will have a high response to the package of inputs that are tied to them.

The very fact that we use the term "package deal" here points to the basic assumption which underlies the Green Revolution. It was assumed by the Rockefeller Foundation that our North-American capital-intensive agriculture was the recipe to be used in the tropical world for modernization of the latter's agriculture. The input package was meant to be applied in developing countries under the assumption that the extremely varied social, political and economic circumstances in these nations would be adapted to the package and not vice-versa. If the developing countries wanted the seed package, they had to accept the entire philosophy of petrochemically-based, capital intensive agriculture behind this technological tool.

The seeds could not be neutral, technical change without accompanying social transformations could not renew the rural economies of the developing countries. The seeds were not equally accessible to every peasant and in fact the cost and risk of the inputs accentuated the gap between rich and poor while at times contributing to the increasing hunger of the rural population in these nations.

Production totals became the priority where, in most third world countries, the participation of the entire rural population in agriculture had previously ensured at least an equitable distribution of what food had been produced.

The Revolution can be a formidable tool if there is a comprehensive appraisal of the interrelationships among agriculture, environment, rural development and sociopolitical structures in the countries where its techniques are applied. Organized agrarian units in China and Cuba, for example, have proven that the "miracle seeds" can be an extremely useful tool in improving food production by substituting a 'conservation principle' for the inputs specified by the Borlang team. More intensive labouring, recycling of inputs, local technology and seed varieties, are all parts of such an outlook.

What differentiates the two approaches is that the 'conservation principle' has adapted the technology to the situation in these developing countries. The projection of western values upon these countries is not a factor here, indicating that the latter needs are given priority in their efforts to feed themselves.

This is the true (Green) Revolution...



The major role played by predators in equilibrating the faunal population reflects the essential aspect of their activity. Elimination of predators in certain parts of the United States increased, on first instance, the population of herbivorous animals, by permitting old and sick animals to survive, not mentioning the food strain that developed from the increased animal's intake. In the interval of 25 years, the population of herbivorous animals was re-

duced below the level previously maintained by the predators.

The initiative of the Raptors Centre is thus welcomed with open arms; tours of the Centre are given every Sunday at 11h:00 am and 2h:00 pm. Students in agriculture should set the example that ecological concern is not only "good for the birds".

Wilfrid Raby

MANY CHANGES IN ATHLETICS DEPARTMENT

It was amazing to see the tremendous changes that took place this year in the athletic department. First of all, renovations in the Stewart Hall basement will allow Mac students to practice some indoor sports in a comfortable manner. Those who practice ping-pong, physical fitness or weightlifting will be happy because space has been provided for these sports. Both men's and women's showers will be available by the next semester. People needing any sports equipment can go to the equipment room in the Stewart Basement, and it is open from 9 a.m. to 11 p.m. Monday to Friday and during the week-ends. Next fall, Mac students will have the chance to use the "universal" gymnasium in Stewart Hall. Again, most of the new installations will be ready to use next semester. All the facilities including equipment renting may be freely used by students.

Athletic programs are divided into two sections: the recreational and instructional programs. Swimming, badminton, co-ed volleyball, open gym, shinny hockey and many others (14 in all) are recreational programs and opened to everybody.

Instructional programs, as the name suggests require the services of an instructor. Originally 18 programs were suggested compared to 7 last year. For those programs a minimum of people is required: aquatics, archery, badminton, ballroom disco, cardio-pulmonary resuscitation, X-country skiing, fencing, figure skating, early AM fitness, noon hour fitness, fitness to music, horseback riding, judo, square dance, squash, tennis, Tae-Kwon Do and yoga.

All aquatic activities take place in Stewart swimming pool. Scuba-diving is very popular. Thanks and all the diving equipment are provided.



Many people are also interested in archery and badminton according to statistics. Ballroom Disco, like square dancing, needs more participation from students (don't worry there is no line-up...) but it increases with each lesson. There were 4 people who signed-up for the second session of c.p.r.. We need 3 others to break even but 14 is the optimum number. It cost \$35.00 and the rest is subsidized by the athletics office. Those who like X-country skiing will have fun this winter. An instructor is also available.

Unfortunately, beginners cannot sign up for fencing because availability of the instructor is limited. The figure skating program is given by a

gold medal instructor in Glenfinnan on Tuesday and Fridays. About 4 people keep themselves in shape in early amfitness from 8 A.M. to 9 A.M. each day. Each daily program includes a warm up, an outside run, swimming and finally a shower to relax.

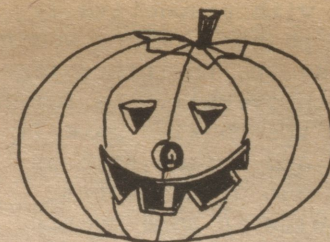
Fitness to music is very popular, composed mostly of exercises. About 20 to 40 always show up. There are still some places in horseback riding. Courses are available from beginners to experts. Lack of instructors is the problem for judo and yoga programs, but it should be solved for second term.

Squash lessons take place in Casgrain Building (the new sport complex). Basics are covered and the coach lets you play after.

Tae Kwon Do lessons are given every Tuesday. A black dan instructor initiates you to that Martial Art. Casgrain Center also provides a lot of facilities such as pool, gymnasium, squash and racketball, and weight training. Annual membership cost is \$15. for a Mac student.

Before writing this article, I thought that sports facilities were almost inexistant at Macdonald College. You should do what I did: get informed and you will change your mind...

Pierre Lafond.



about pumpkins

When Halloween comes around, we welcome pumpkins as symbols of harvest and sources of fun.

We find almost everywhere that a great diversity of puddings, soups and pies are prepared from these members of the squash family. Bigger is not always better when it comes to pumpkins; some of the smaller varieties have a more concentrated flavour. But for cooked foods, the larger kinds serve very well.

To cook pumpkin, wash and cut it in half, crosswise. Remove seeds and strings. Scrape the pulp from the shell. Cut the pulp in small cubes and place it in a pan. Bake it in a 325 F oven for about 1 hour or until it is tender.

Here is a recipe of pumpkin bread. It is simple and economical to prepare. Hoping you will try this alternative as a part of your lunch bag.

Carole Benoit
Lyne Drapeau

PUMPKIN BREAD

3 1/2 cups flour
3 cups sugar
2 tsp. soda
1 1/2 tsp salt
1 tsp cinnamon
1 tsp nutmeg
1 cup cooking oil
4 eggs
2/3 cup water
2 cups pumpkin
1 cup nuts (optional)

- 1) Sift together dry ingredients in large bowls.
- 2) Add remaining ingredients.
- 3) Mix well all the ingredients.
- 4) Pour the mixture into 3 greased and floured 9"x 5" loaf pans
- 5) Bake at 350 for 50-60 min.

Faites rajeunir
vos chaussures!
au Centre de réparation
de chaussures à Ste-Anne.

32 rue St-Anne
457-5452



ENG. SEMINAR

The North Atlantic Region of the ASAE and the Agricultural Engineering Club is proud to announce the first annual NAR-ASAE distinguished lecture series.

Dr. Mark E. Singley

Professor of Biological & Agricultural Engineering at Rutgers University, N.J. will present a special seminar entitled:

"SAND CASTLES AND SILOS"

Come and attend this special lecture ! It will be held on Wednesday, Nov. 12th at 8 PM in room R 4-046. Don't miss it!

WOODSWOMEN WIN IT FOR MAC

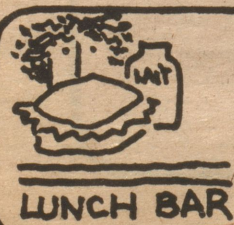
Last October the 18th, was held the fall intercollegiate woodsmen competition at the University of New-Brunswick. This event would represent the closest reminiscence of the gone days of the lumberjack in the spruce, pine and fir forests of the Great Lakes and Northern-Quebec

Macdonald's woodsmen team attended the competition, along with twenty-five other teams from the Maritimes, Eastern United-States and Ontario, figuring well, with the men's A team finishing third in the overall standing with 1071 points. They were only surpassed by the University of New-Brunswick's A and B team, with respectively 1137 and 1097 points. Mac's women's team came in second in it's category ranking 17th overall. As for the men's B team, the rookies gave it all they had, and worked some of the green sap out of the bones, with good results in some events.

Of mention in the individual events, Elaine Sheppard won the chain throw for the second consecutive year in a time of 45 seconds with 47 points allowed for neatness of roll. Chain throw consists in rolling a 200 feet surveying chain in the shortest time possible and with the least flaws possible. Also of mention is the performance of Martha Robinson, who got a perfect score of 100 points at the dot split; in which one has to split a dot of a quarter inch in diameter marked on a log. Other events included pulp toss, axe throw, swede sawing, log decking and many others.

Furthermore, the next gathering of all the woodsmen will be right here at Macdonald's in the weekend of the 20th of January Knock wood!!!

Wilfrid Raby



DU LUNDI AU VENDREDI
DE 11:30 À 13:00
IL Y A DE LA BOUFFE PAS
CHERE MAIS BONNE !!!
MIOUM! MIOUM!

POLITICS OF FOOD

How About Making Our Own Course?

Some members of the Eco-lifestyles group are interested in organising a series of self-education seminars on the political economy of the food system.

As Sylvie Pelletier pointed out in her article in the last Harvest issue, it is essential that students in agriculture be aware of how the world food system works, and yet there is no course on this subject offered at the College.

We're still in the process of planning the format of the series with the help of a group in Montreal that specializes in setting up this kind of seminar. The series could take the form of discussion sessions in which members of the group could talk over readings as well as the films and lectures presented in the course of the more formal seminars.

If anyone is interested in studying the politics of food and participating in such a group, call Sue at 457-2000, ext. 190 or come to EAP in 022 Barton.

Sue Johnson

Elephant blanc suite

centre ville, quelle part nous reste-t-il et comment cette part est-elle utilisée?

- 2) Comment se fait-il que lors des premières commandes de la COOP, il a été impossible de trouver un local au C.C., cet immeuble qui a été bâti pour regrouper et faciliter les services et activités étudiantes?
- 3) Que se passe-t-il avec le local de l'ancien Bar Disco?
- 4) Comment se fait-il que dans la semaine du 17 octobre la plus grosse mobilisation étudiante du Québec depuis 1970 est passée inaperçue à Macdonald? Que l'université de Montréal, que McGill centre-ville, que l'université Laval, que plusieurs cégeps de différentes régions du Québec ont participé à une marche pour la défense de Guy Héroux sans que nous en soyons avertis? Cet étudiant est actuellement poursuivi pour une action qu'il a posé étant dûment mandaté par ses pairs. L'université de Montréal cherchant un bouc-émissaire peut ruiner une partie de la vie d'un étudiant.

Et combien d'autres questions??????

Je crois donc que si nous voulons un milieu de vie qui réponde à nos besoins c'est le temps de s'y mettre. Serait-ce que 14 ans d'étude nous ai appris à nous assoier????

P.S: Tous commentaires sont les bienvenus et si certaines personnes peuvent répondre à mes questions, on pourrait s'en reparler.

P.P.S: Il ne faut que 40 signatures d'étudiants pour convoquer le conseil étudiant afin de proposer un projet de CAFE ETUDIANT... alors il faudrait s'y mettre rapidement.

Yves Bois

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A WARM, FRIENDLY PLACE
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OUI: YES... A REFERENDUM. IN STE ANNE

A referendum will be held before december 15 in Ste-Anne. The question? The bylaw 399 or the right of building a bar-pub-reception hall building and a shopping center near the Legion building on Ste-Anne street. So, if you can vote take few minutes of your time...

Johanne Hebert

MORE AND MORE AVAILABLE JOBS IN AGRICULTURE

The results of a recent survey, show that Macdonald graduates in most majors manage to find jobs after graduation. That is the conclusion drawn from an interview with Mrs Gillan who is responsible for the Student Placement Office. Of course like in any other field of study there is competition not only among students of Macdonald College but also with those of University Laval and Guelph. Graduation, here, have an advantage: most of them are bilingual. So an employer who wants to hire a bilingual candidate will be likely to come here instead of going to Guelph or Laval where few are available.

Last year 114 employers came here: 68 offering permanent jobs and 46 summer jobs. Hiring statistics for Macdonald graduates are not available since most of them are confidential. Of course, the majority of employers are private companies. Provincial and Federal governments hire a smaller number of graduates because budgets seem to decrease from one year to another.

People who really want a job usually find it. Maybe it is not the job that they have always dreamed about but in most cases the job they get is related to their field of study. To find a permanent job in agriculture does not seem to be as big a challenge as one would expect it to be.

Unfortunately, jobs in certain areas of study are not as easy to find as in agriculture. This is the case, for example, of students in environment, renewable resources or biological sciences where in most cases, graduates are hired to work on a project which does not last long. Works contracts usually last until the end of the project and people have to find another job.

To help those people who had been studying in these majors and who are willing to find a job Michael Zidle and Dave Gardner travelled across Canada during a whole summer to pick up names of potential employers in environmental studies. At the end of their survey, they published a book which contained all the employers names and addresses. This book is available at the Student Placement Office, you can go to look it any time.

Do not forget that posted jobs are not the only ones available. The cardex system in the Student Placement Office contains 1500 names and addresses of employers. You can send your resume to the companies and wait for news or in the meantime look around for a job on your own. Finally, if you have personal troubles concerning your search for a job, see a counsellor provided by McGill University here at Macdonald College 2 or 3 times a week, call the Athletics Office for an appointment (457-2175).

Hint:

Keep a positive attitude and you will become a good job hunter.

Pierre Lafond

pluies acides...savez-vous?

Que le Québec constitue le plus vaste dépôt de pluie acide de l'est du continent soit la seule région qui reçoit plus d'anhydride sulfuré qu'elle n'en exporte.

Que les sols du Québec sont particulièrement sensibles à l'acidité puisque, constitués en majeure partie par le bouclier canadien, la teneur en calcaire qui fait généralement office de tampon est presque nulle.

Dans l'état de New-York, 170 lacs des Adirondacks ont été officiellement déclarés stériles. 140 en Ontario, où 48000 autres sont menacés. En Nouvelle-Ecosse, 7 rivières à saumon sont désertées. Au Québec où on commence à peine à se pencher sur le phénomène on parle de 50000 lacs en danger.

Une récente étude d'Environnement Canada montrait que dans la région très sensible des basses Laurentides 25% des 150 lacs étudiés ont atteint un seuil critique d'acidification. Dans le parc des Laurentides et en Mauricie, 2/3 des lacs examinés sont acidifiés. Les pluies et les neiges

de la région de Montréal sont, avec un PH de 4.2, les plus acides de tout l'est du continent.

Actualité, Octobre 1980



BRACE RESEARCH INSTITUTE

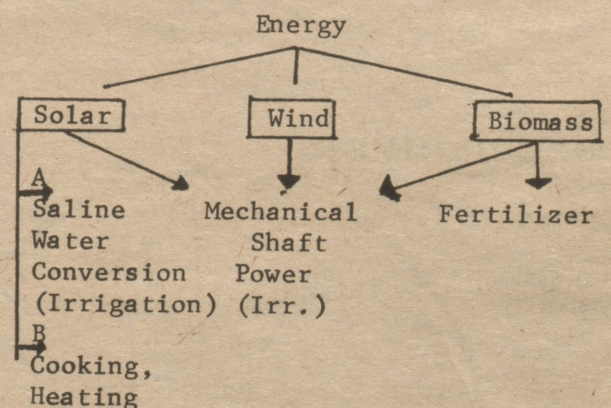
The Brace Research Institute is part of McGill's Faculty of Engineering but its network of activities is spread throughout the world. The aims of such an organisation are quite interesting since they mainly focus on the improvement of agriculture in the least favored areas of the world.

To be really helpful in any Third world country there are certain criterias which the Brace Inst. must adhere to: applied technology of low cost (for small-scale farming) which will make use of local energy, materials and human resources. -Ensuring the participation of the local community in the activity to ensure its continuity, and to respect the dignity of people who receive help. That way of thinking is known as appropriate technology.

So the Brace Inst. was founded in 1961 in order to administer an estate left by Major James H. Brace who died in 1956. The terms of his will "specified that the money should be used for the purposes of providing for and carrying on research on the development of methods or means of eliminating or reducing the salt content of sea water so that it may be used economically and effectively for irrigation and with due regard to the foregoing primary, for purposes of research into methods of irrigation or other means for making desert or arid lands available and economically useful for agricultural purposes".

Today the Brace Inst. is the leading organization in spite of its small size, in many of the following fields of research. Supplied with additional funds from government and industries it's still going on with accurate emphasis on urgent problems and needs in third world countries. Major fields of work are divided in two parts: one for research and the other for application of it.

Research:



-application of solar power for providing low grade heating for Canadian farms.

-integration of solar air heaters (absorbing panels) into south-facing walls of ventilated farm buildings.

cont'd p.8



hallowe'en 9 times A YEAR

BRACE INST. CONT'D

Being that it is near Hallowe'en, I was trying to figure out a way to work it into this story. I finally found a way so bear with me if it seems a little dull. O.K.?

I am an elected official of yours. That's right, of yours. I sit on your student council. I sit on your student council. What do I do you ask? Well I act as a liaison between the student council of Macdonald College and the Board of Governors of McGill University. "The Board of Governors of the University under the terms of the charter, possesses general jurisdiction and final authority over the conduct of the affairs of the university. It makes all contracts and all appointments on behalf of the university." (section 1.3.1)

All that means is that the Board is the final authority on things that happen within McGill and externally.

Who sits on the B. of G. you ask? Glad you asked that. The Board consists of twenty-five members from the community at large, five from Senate, three non-academic staff members, and last but not least; three student members, one from Macdonald Campus.

Not very interesting yet eh? Well the plot thickens because now I'm going to give a brief outline of the '80-'81 budget and specifically the things that affect you and me—Macdonald Campus.

Best to start at the beginning right? Where the money comes from. There are no separate figures for Macdonald here, they treat the school in one big lump. Just hitting the highlights listed in the "pies" below, we can see the school's income and expenditures.

Now to give you the proper perspective of the money which we receive compared to other faculties. We rank 6th below Medicine, Science, Arts, Engineering and Education in that order, with respect to distribution of base budgets. We pull in around 6% of the budget compared to around 21% for Medicine. If this sounds unfair, hold on a minute. Let's look at the weighted student units (pop.), in this, we rank 7th. We have about 5% and Arts has about 26% of the weighted student units. So we are doing OK., but remember that this is only a budget and circumstances could vary and alter what becomes reality. Oh well that's enough for now.

Now about the part dealing with Hallowe'en. The Board of Governors meets downtown and the meetings require formal dress i.e.: suit and tie, so for ten meetings a year, it's just like Hallowe'en; I'm all dressed up in funny clothes!!

Gorden Owen

-efficient longlasting greenhouse for cooler climates.

-controlled environment agriculture (to reduce water requirements of plants)

-others... (a list of all subjects is available at the Mac Library.)

Application:

-It's a world centre of information on appropriate technology.

-Installation of windmills (Barbados for example)

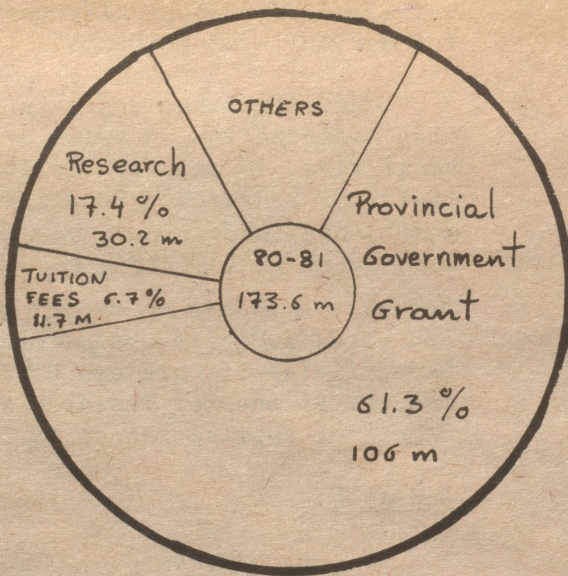
-Activities in Tanzania, Mauritania Senegal and Brazil and many others.

For the years to come, the Brace Research Inst. is facing the problem of training and developing personnel to become involved in those fields. In fact, to strengthen its main objectives and purposes, more concern for appropriate technology and renewable resources must be shown by various level of government and the University. This could lead to the formation of other organizations like Brace Canada or McGill International.

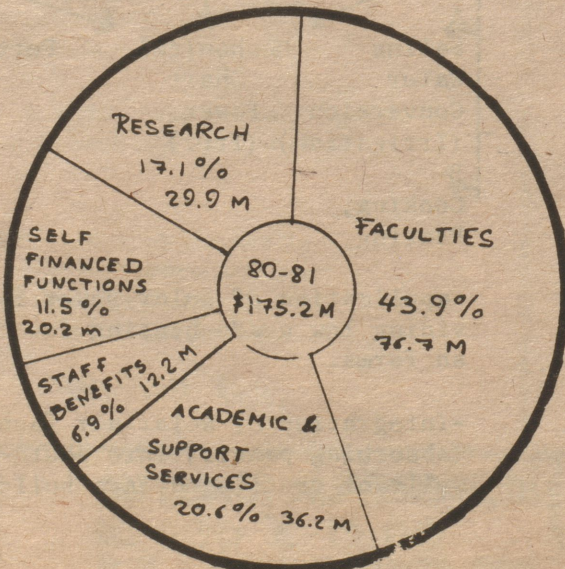
Ref: Annual report (1979-1980) of Brace Institute.

Jean Vigneux

incomes



expenditures



Le Quai

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